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AUG 20 1982

Docket No.: 50-395

Mr. O. W. Dixon, Jr.
 Vice President Nuclear Operations
 South Carolina Electric & Gas Company
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Dear Mr. Dixon:

Subject: Issuance of Amendment No. 1 to Facility Operating License NPF-12
 Virgil C. Summer Nuclear Station, Unit No. 1

The Nuclear Regulatory Commission has issued Amendment No. 1 to Facility Operating License NPF-12 for the Virgil C. Summer Station Unit No. 1 located in Fairfield County, South Carolina.

This amendment is in response to your letter dated August 18, 1982. This amendment modifies the actions required in the event that fire-rated assemblies are not operable during that period prior to initial criticality.

A copy of the related safety evaluation supporting Amendment No. 1 to Facility Operating License NPF-12 is enclosed. Also enclosed is a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

15/

B. J. Youngblood, Chief
 Licensing Branch No. 1
 Division of Licensing

Enclosures:

1. Amendment No. 1
2. Safety Evaluation
3. Federal Register Notice

cc w/enclosure:
 See next page

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DATE	8/19/82	8/19/82	8/19/82	8/20/82			

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AUG 20 1982

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Mr. James P. O'Reilly
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AUG 20 1982

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State Clearinghouse
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Attorney General
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Columbia, South Carolina 29211

Mr. Heyward G. Shealy, Chief
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South Carolina Department of Health
and Environmental Control
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Director, Criteria & Standards (ANR-460)
Office of Radiation Programs
U. S. Environmental Protection Agency
Washington, D. C. 20460

Director, Eastern Environmental Radiation
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U. S. Environmental Protection Agency
P. O. Box 3009
Montgomery, Alabama 36193

EIS Review Coordinator
U. S. Environmental Protection Agency
Region IV
345 Courtland Street
Atlanta, Georgia 30308

SOUTH CAROLINA ELECTRIC & GAS COMPANY

SOUTH CAROLINA PUBLIC SERVICE AUTHORITY

DOCKET NO. 50-395

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 1
License No. NPF-12

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Virgil C. Summer Nuclear Station, Unit No. 1 (the facility) Facility Operating License No. NPF-12 filed by the South Carolina Electric & Gas Company acting for itself and South Carolina Public Service Authority (the licensees), dated August 13, 1982, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - E. The issuance of this license amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is hereby amended by a page change to the Technical Specifications as indicated in the attachments to this license amendment. Paragraph 2.C(2) of Facility Operating License No. NPF-12 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 1, are hereby incorporated into this license. South Carolina Electric & Gas Company shall operate the facility

in accordance with the Technical Specifications and the Environmental Protection Plan.

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3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

15/

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Attachment:
Technical Specification
Changes

Date of Issuance: AUG 20 1982

OFFICE ▶	DL:LB#1	DL:LB#1	CEB	DL:LB#1	DL:LB#1		
SURNAME ▶	W Kane/yt	MRushbrook	VBenarova	JRERRY	BJYoungblood		
DATE ▶	8/19/82	8/19/82	8/19/82	8/19/82	8/20/82		

*see Staff evaluation
for concurrence*

*Amend #
only*

PLANT SYSTEMS

3/4.7.10 FIRE RATED ASSEMBLIES

LIMITING CONDITION FOR OPERATION

3.7.10 All fire barrier assemblies (walls, floor/ceilings, cable tray enclosures and other fire barriers) separating safety-related fire areas or separating portions of redundant systems important to safe shutdown within a fire area and all sealing devices in fire-rated assembly penetrations (fire doors, fire windows, fire dampers, cable and piping penetration seals and ventilation seals) shall be OPERABLE.

APPLICABILITY: At all times.

ACTION:

- a. With one or more of the above required fire rated assemblies and/or sealing devices inoperable, within one hour either, establish a continuous fire watch on at least one side of the affected assembly, or verify the OPERABILITY of the fire detectors on at least one side of the inoperable assembly and establish an hourly fire watch patrol.* Restore the inoperable fire rated assembly and sealing device to OPERABLE status within 7 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 30 days outlining the action taken, the cause of the inoperable fire rated assembly and/or sealing device and the plans and schedule for restoring the fire rated assembly and sealing device to OPERABLE status.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

*For that period of plant operation prior to initially achieving criticality the requirement to verify the OPERABILITY of the fire detectors on at least one side of the inoperable assembly is waived.

4.7.10.1 At least once per 18 months the above required fire rated assemblies and penetration sealing devices shall be verified OPERABLE by:

- a. Performing a visual inspection of the exposed surfaces of each fire rated assembly.
- b. Performing a visual inspection of each fire window/fire damper/and associated hardware.
- c. Performing a visual inspection of at least 10 percent of each type of sealed penetration. If apparent changes in appearance or abnormal degradations are found, a visual inspection of an additional 10 percent of each type of sealed penetration shall be made. This inspection process shall continue until a 10 percent sample with no apparent changes in appearance or abnormal degradation is found.

4.7.10.2 Each of the above required fire doors shall be verified OPERABLE by inspecting the automatic hold-open, release and closing mechanism and latches at least once per 6 months, and by verifying:

- a. The position of each closed fire door at least once per 24 hours.
- b. That doors with automatic hold-open and release mechanisms are free of obstructions at least once per 24 hours.
- c. The position of each locked closed fire door at least once per 7 days.
- d. The OPERABILITY of the fire door supervision system by performing a TRIP ACTUATING DEVICE OPERATIONAL TEST at least once per 31 days.

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Amended
Page

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of changes.

ATTACHMENT TO LICENSE AMENDMENT NO. 1

FACILITY OPERATING LICENSE NO. NPF-12

DOCKET NO. 50-395

SAFETY EVALUATION BY THE
OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 1
TO LICENSE NPF-12
SOUTH CAROLINA ELECTRIC & GAS COMPANY
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY

INTRODUCTION

By letter, dated August 18, 1982 South Carolina Electric & Gas Company (SCE&G) requested relief from a portion of Technical Specification 3/4 7.10 regarding fire-rated assemblies for the Virgil C. Summer Nuclear Station, Unit No. 1. Specifically, relief was requested from the requirement to establish a continuous fire watch in the event that a fire-rated assembly is not operable during that period prior to achieving initial criticality.

SCE&G is currently conducting a comprehensive program which involves the inspection of all fire rated assemblies to assure consistency with the fire protection evaluation. This program was initiated as a result of the discovery of deviations between the fire protection plan and the as-built drawings. SCE&G proposes to institute a one-hour roving fire watch during this period to make more efficient use of its resources.

EVALUATION

Under the action statement for the current Technical Specification, with one or more of the fire-rated assemblies and/or sealing devices inoperable, within one hour a continuous fire watch must be established on at least one side of the affected assembly, or if the fire detectors are inoperable on at least one side of the inoperable assembly, an hourly fire watch patrol may be established in lieu of a continuous fire watch. SCE&G proposes that during the period prior to initial criticality the staff waive the requirement for operable fire detector as a prerequisite for an hourly fire watch patrol. By waiving this requirement SCE&G can employ a roving fire patrol instead of the continuous fire watch required by the current Technical Specification.

Licensing condition C.2(18)(b)(i) requires a two-hour fire patrol prior to initially exceeding 5% of full power, and a one-hour fire patrol thereafter to cover those areas where fire detectors are required but not installed. SCE&G has implemented this licensing condition by conducting a two-hour fire patrol of all accessible areas of the plant that contain safety-related equipment. SCE&G plans to increase this to a one-hour fire patrol. Such a patrol will assure that all areas without operable fire detectors as well as all areas with inoperable fire-rated assemblies are inspected each hour.

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SCE&G states that the justification for this relief is based upon the lack of a radioactive material inventory and residual heat in the reactor and the low probability of an accident during this period.

We agree with the justification provided by SCE&G. Further we conclude that the proposed one-hour fire patrol that will inspect all appropriate areas of the plant will permit a more effective use of SCE&G's resources and at the same time assure an acceptable level of protection during this period.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR Section 51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

DATE: AUG 20 1982

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SURNAME	W Kane/yt	V Benaroya	BJ Youngblood				
DATE	8/19/82	8/19/82	8/29/82				

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-395

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1

NOTICE OF ISSUANCE OF AMENDMENT TO

FACILITY OPERATING LICENSE NO. NPF-12

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 1 to Facility Operating License No. NPF-12, issued to South Carolina Electric & Gas Company and South Carolina Public Service Authority (the licensees) for the Virgil C. Summer Nuclear Station, Unit No. 1 (the facility) located in Fairfield County, South Carolina. This amendment modifies the actions required in the event that fire-rated assemblies are not operable during that period prior to initial criticality. The amendment is effective as of its date of issuance.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5 (d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

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For further details with respect to this action, see (1) South Carolina Electric & Gas Company letter, dated August 18, 1982, (2) Amendment No. 1 to Facility Operating License No. NPF-12 with Appendix A Technical Specification page change, and (3) the Commission's related safety evaluation.

All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 20555 and the Fairfield County Library, Garden and Washington Streets, Winnsboro, South Carolina 29180. A copy of Amendment No. 1 may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 20th day of August 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

15/

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

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